

**ARRA High Speed Rail Awards 1-28-2010
Direct Jobs-Years Created or Preserved in the North Carolina**

Direct Employment from Construction Expenditures

	NC T2.1 - 3rd Frequency ¹	NC T2.2 - 4th Frequency ¹	Congestion Mitigation ³	Total
2010	60	178	437	675
2011	127	1099	437	1663
2012		1726		1726
2013		1208		1208
	187	4211	874	5272

Direct Employment from Construction Professional Services Expenditures

	NC T2.1 - 3rd Frequency ²	NC T2.2 - 4th Frequency ²	Congestion Mitigation	Total
2010	6	216		222
2011	5	99		104
2012		74		74
2013		68		68
	11	457		468

Total Direct Employment Construction and Construction Professional Services and Expenditures

	NC T2.1 - 3rd Frequency	NC T2.2 - 4th Frequency	Congestion Mitigation	Total
2010	66	394	437	897
2011	132	1198	437	1767
2012	0	1800	0	1800
2013	0	1276	0	1276
	198	4668	874	5740

Direct Employment for Operations of Passenger Services Implemented - 1st full year of operations forward

	NC T2.1 - 3rd Frequency	NC T2.2 - 4th Frequency	Congestion Mitigation	Total
2012	20			20
2014		27		27
	20	27		47

Jobs using Simple Rule for Estimating Job-Years Created by Government Spending⁴

- \$92,000 of government spending created 1 job-year
- 64% of the job-years represent direct and indirect effects (indirect jobs are created at material suppliers for projects)
- 36% of the job-years represents induced effects

ARRA Award - NC	Total Job using Simple Rule (\$92,000)	Direct and Indirect Job- Years (64%)
\$ 545,000,000	5,924	3,791

Job Creation Estimate used in the news release on 1-28-10 by the Department - 4800 jobs

Conservative estimate using only the Construction and Professional Jobs for NC T2.1 and 2.2 above, 4866, rounded down.

¹ Exhibit 3 - NC DOT FRA Track 2 Applications Economic Benefits Analysis - AECOM 10-1-2009

² Exhibit 6 - NC DOT FRA Track 2 Applications Economic Benefits Analysis - AECOM 10-1-2009

³ NCDOT High Speed Intercity Rail Program Application NC 6.1a - Congestion Mitigation 8-24-09

⁴ Estimates of Job Creation from the American Recovery and Reinvestment Act of 2009 - May 2009 - Executive Office of the President Council of Economic Advisors.